



Presented By:

***LTC Ted C. Harrison
Commander, DCM GDLS
24 July 01***

- Contractor Overview
- Command Focus
- DCM GDLS Organizational Overview
- Lima Army Tank Plant Overview

GENERAL DYNAMICS Land Systems

Headquartered in Sterling Heights, Michigan, GDLS designs, manufactures and supports land and amphibious combat systems for the U.S. Army, the U.S. Marine Corps and a number of allied nations.

- Sales - Annual Defense Sales ~~\$1 B~~ \$ 1.4 B Plus
- Employees – ~~3,600~~ 4,000 Plus
- Government Contracts – ~~292~~ 320

- Armored Vehicle Programs



- Amphibious Vehicle Programs



- Propulsion Systems



- Wheeled Vehicle Programs



GDLS DOMESTIC LOCATIONS

Muskegon Operations



Imperial Valley Operations



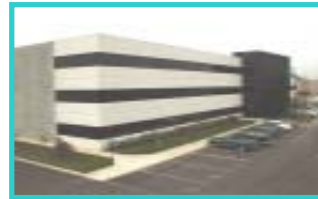
Anniston Army Depot



Sterling Heights Complex



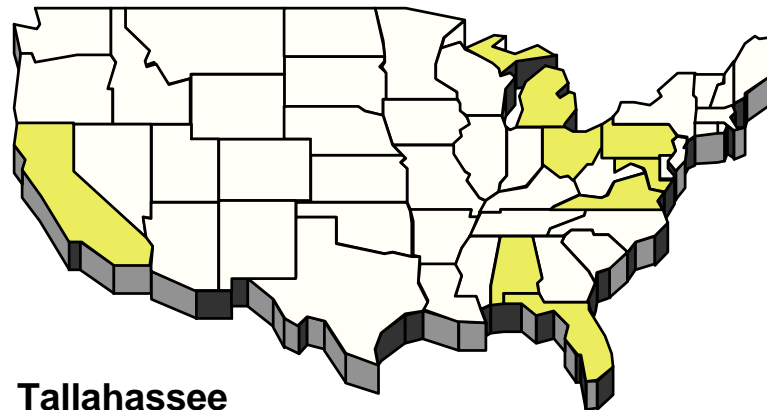
AV Technology



Lima Army Tank Plant



Scranton Operations



Tallahassee Operations



AAAV Technology Center

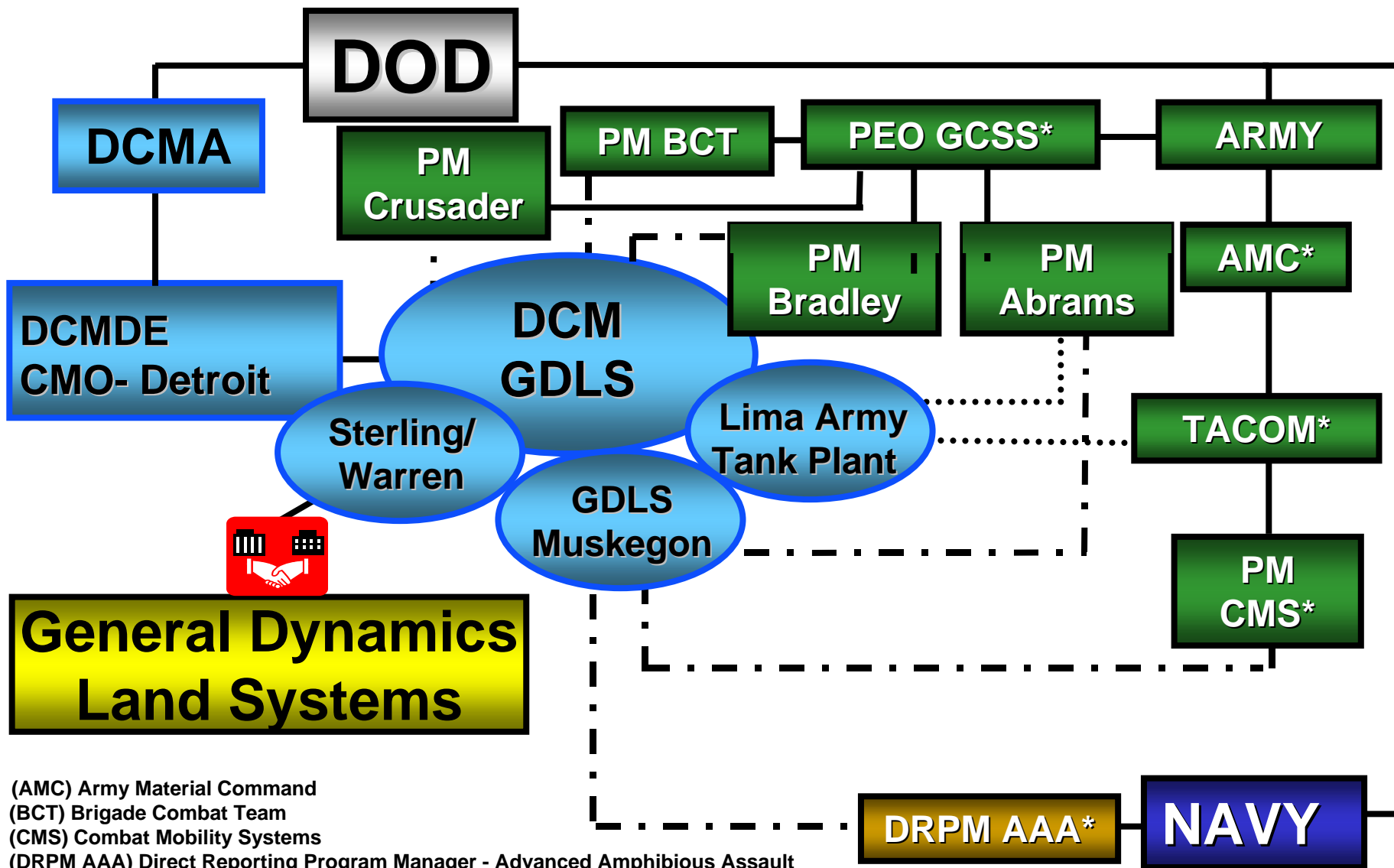


Robotic Systems



Workforce of 3,600 personnel

PRIMARY CUSTOMER SUPPORT



* (AMC) Army Material Command
 (BCT) Brigade Combat Team
 (CMS) Combat Mobility Systems
 (DRPM AAA) Direct Reporting Program Manager - Advanced Amphibious Assault
 (GCSS) Ground Combat and Support Systems
 (TACOM) Tank Automotive and Armaments Command



IAV ICV



M1A2 SEP



M2 BRADLEY



WOLVERINE



FOX NBCRS



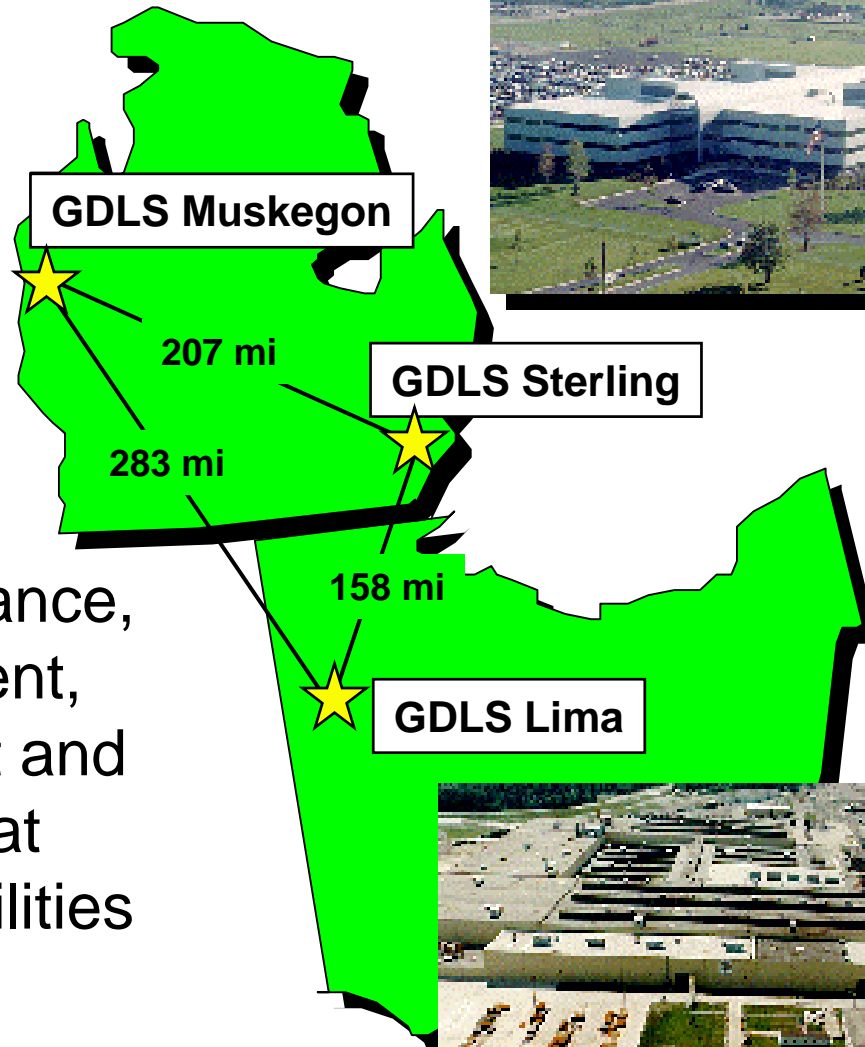
M1A1 AIM

DEVELOPMENTAL PROGRAMS

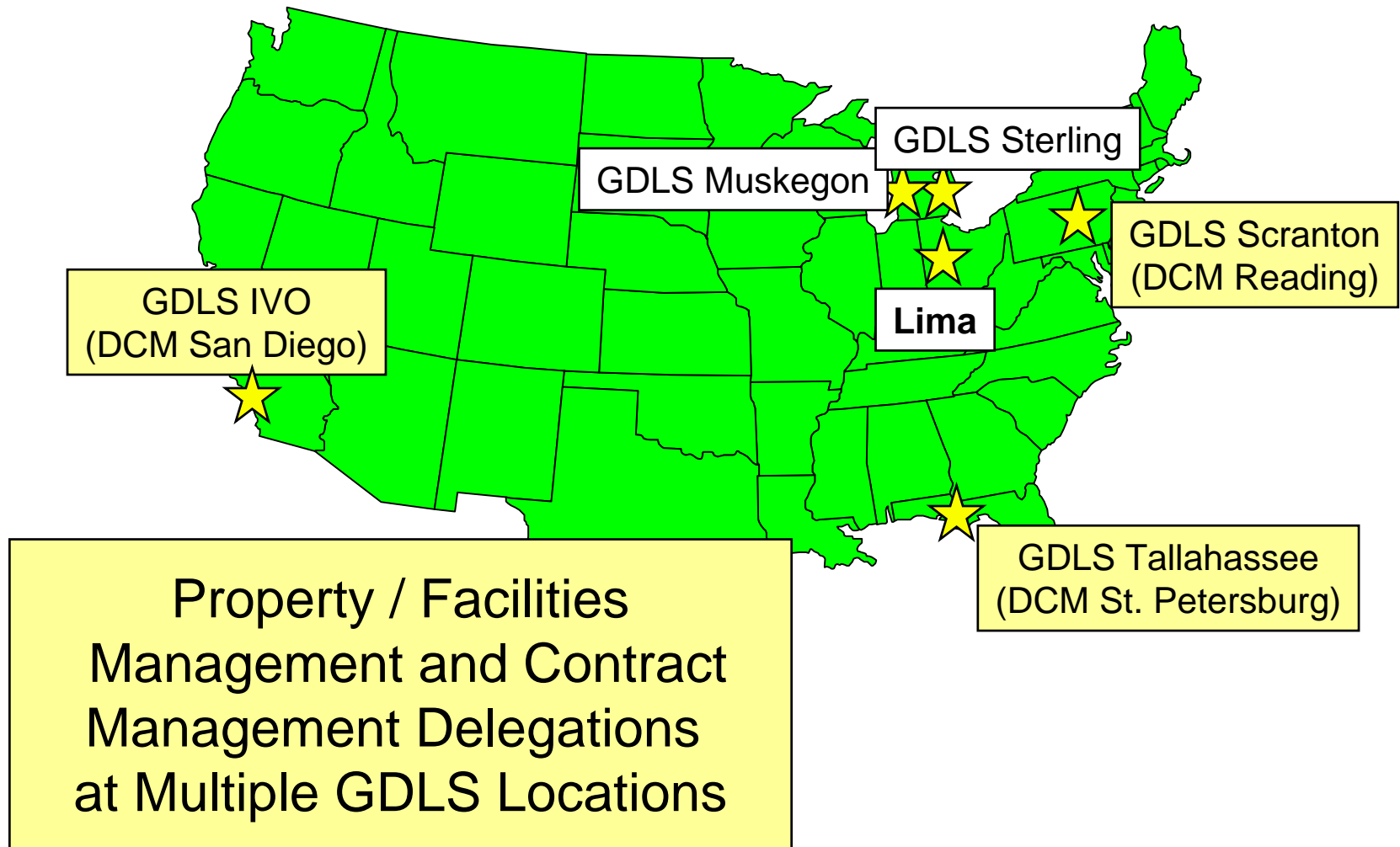


**MOBILE
GUN SYSTEM**





In-Plant Quality Assurance,
Contract Management,
Property Management and
Customer Liaison at
Several Regional Facilities



LIMA ARMY TANK PLANT



LTC TED HARRISON



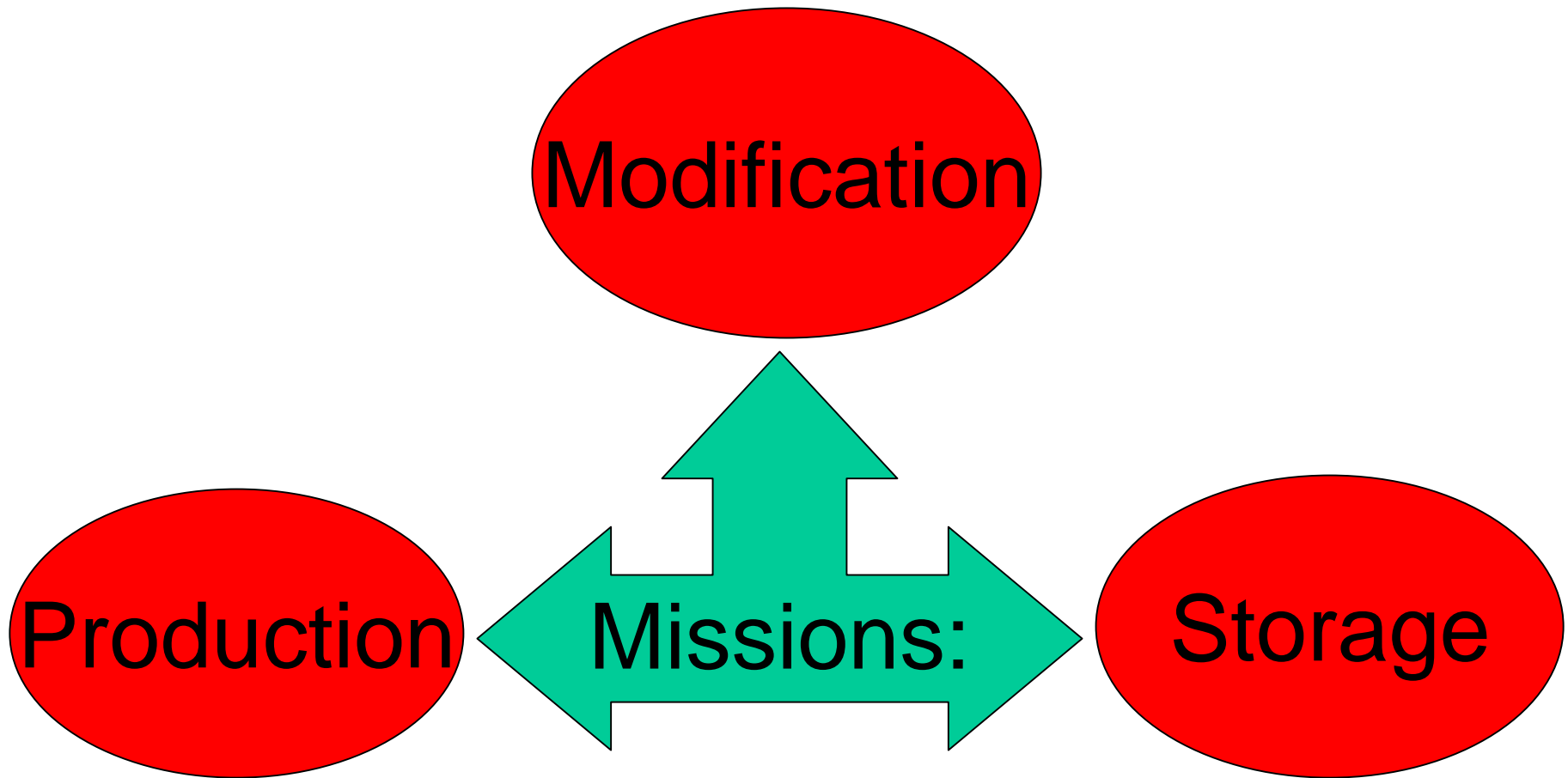
MR. GARY KING

- The factory is a Government Owned Contractor Operated (GOCO) Plant.
- The Prime Contractor is General Dynamics Land Systems Division (GDLS) with approximately 520* employees.
- The DCMA Government Work Force has 39 employees and provides Program Contract Management Services and Facility Management in support of TACOM, PM Abrams and other program offices.
- Main products are the Abrams M1A1, M1A2(SEP), Wolverine Heavy Assault Bridge, and in the upper hull structure for the Brigade Combat Team.

* 605 employees by December 2001



FACILITY HISTORY



1942-1945

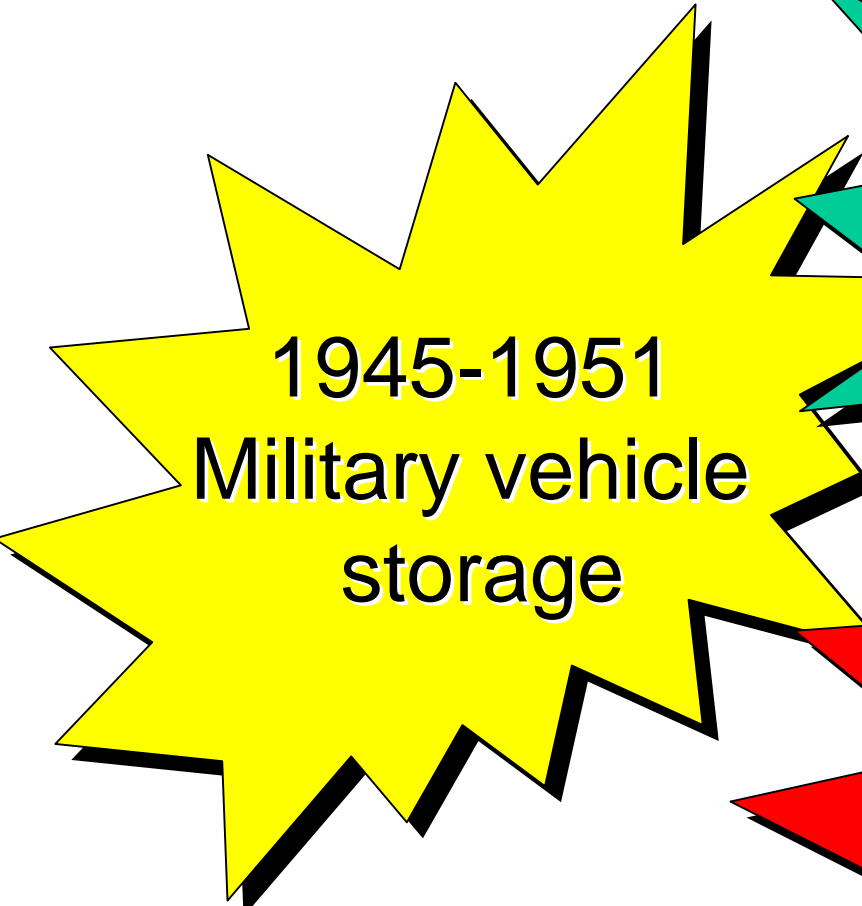
Original mission as a gun tube
factory quickly changed to
WWII combat vehicle
modification.

1951-1953


Preparation of armored vehicles for
shipment to Korea.

1976-1978


**Upgrade twelve thousand XM-880
1 1/4 ton commercial trucks.**



1945-1951
Military vehicle
storage



1959-1977
Outleased land
and buildings



1961-1977
Machine tool and
equipment package
storage.



1976

Site selected for
XM-1 Tank Program

PRODUCTION

1980 - First of 2,374 M1s delivered to the U.S. Army

1985 - First of 4,974 M1A1s delivered to the U.S. Army & Marines

1990 - First of 538 M1A1 Tanks/Kits delivered to Egypt

1992 - First of 62 M1A2s delivered to the U.S. Army

1993 - First of 315 M1A2s delivered to Saudi Arabia

1994 - First of 218 M1A2s delivered to Kuwait

1994 - First of 206 M1A2 Abrams Upgrades delivered to the U.S. Army

1996 - M1A2 Upgrade Phase II begun: 600 tanks

1996 - First of 18 M1A1 AIM XXI delivered to U.S. Army/Marines

1998 - Prototype for AAVV delivered

1998 - Crusader chassis prototypes delivered

1999 - First of 25 Heavy Assault Bridges (HAB) delivered

1999 - First of 1,237 M1A1 AIM XXI Tanks delivered

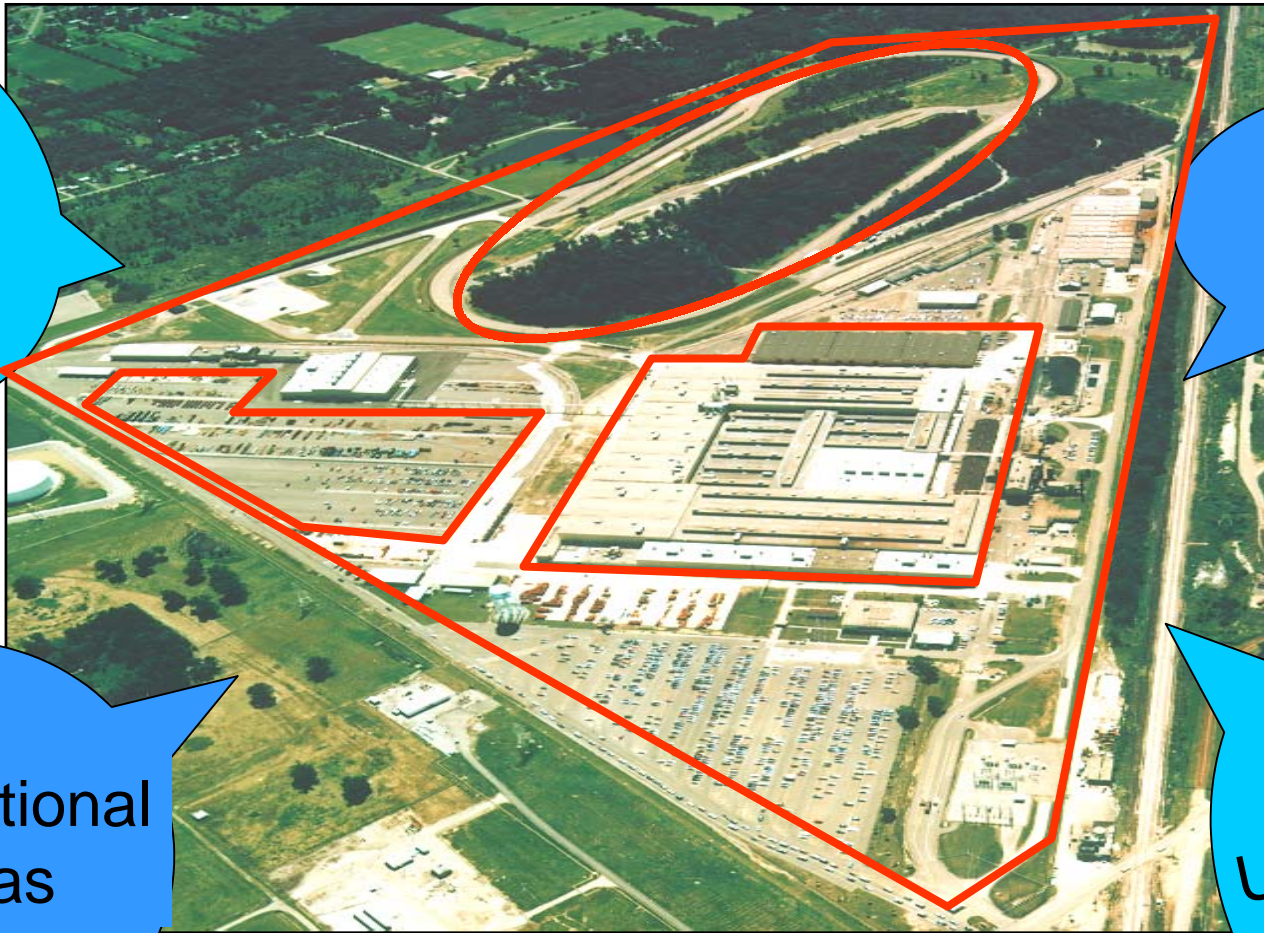
INFRASTRUCTURE

369
Total
Acres

220
Improved
Acres

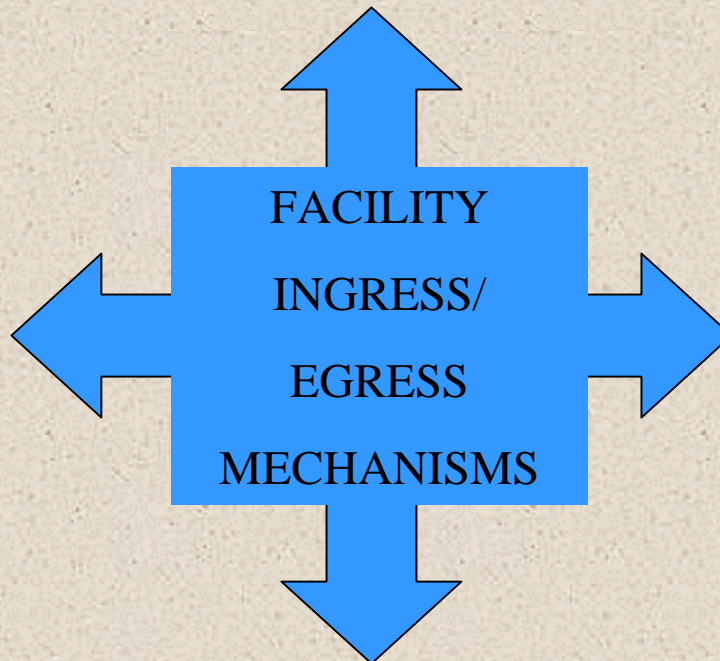
Recreational
Areas

149
Unimproved
Acres



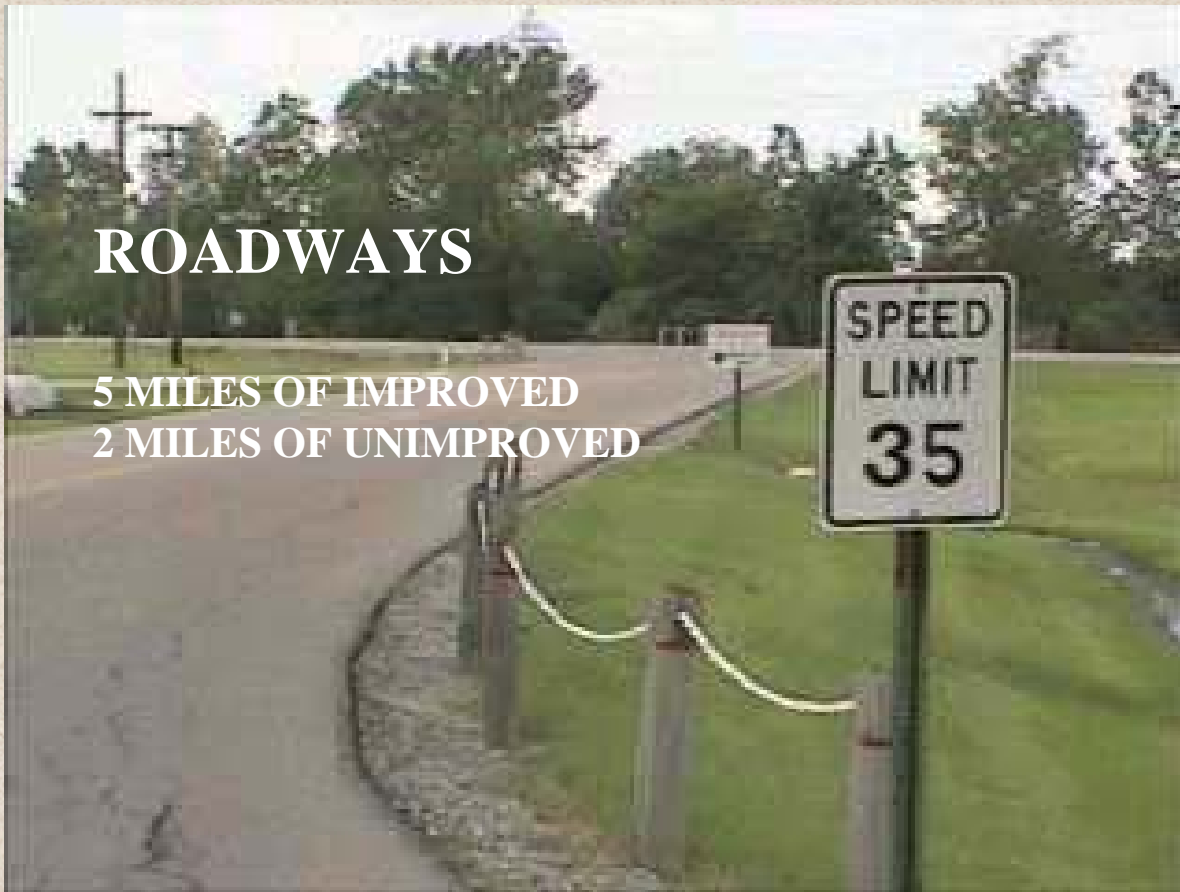
Physical Characteristics

FACILITY MOBILITY



ROADWAYS

5 MILES OF IMPROVED
2 MILES OF UNIMPROVED





RAIL ROADS

CSXT
NORFOLK & SOUTHERN
5 MILES OF RAIL
(2) 80 TON LOCOMOTIVES

FACILITY MOBILITY



TEST TRACK & MOBILITY PAD

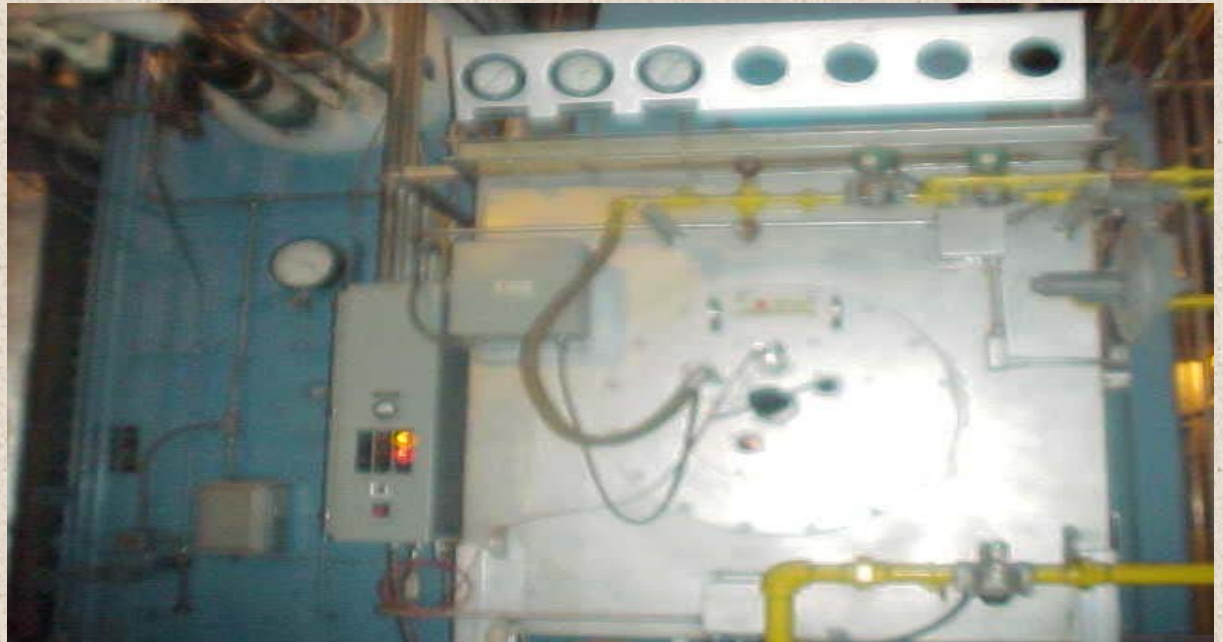
Powerhouse

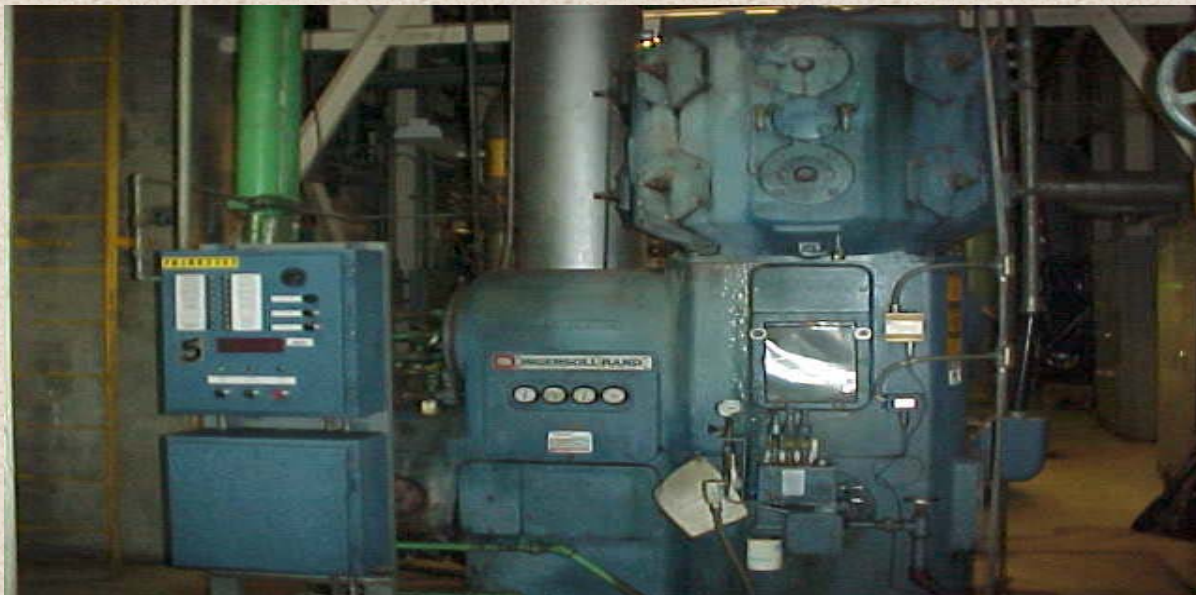


Powerhouse



3 - Coal Fired
1 - Gas Fired
Boilers





3 - 4000 CFM

1 - 2000 CFM

2 - 1500 CFM

Air

Compressors

138 kV
Substation

Dual feed from
American
Electric Power
NW Lima
&
Sterling



Lima Ordinance Substation

LATP has
320,216 LF
of overhead
distribution
and
26,306 LF
of underground
distribution
lines

WATER DISTRIBUTION

Domestic Water

LATP has a dual feed from the City of Lima



400,000 Gallon Water Tower

Fire Water

All occupied Bldgs. have automatic sprinkler systems.

LATP has dual Fire Pumps.

LATP discharges its sanitary sewer to the City of Lima.

LATP has a Storm Water permit with Ohio EPA.



NATURAL
GAS

FACILITY
HEATING &
FLAME
CUTTING



STORAGE & DISTRIBUTION

EIGHT Underground
Storage Tanks
with 4 Fueling Stations

DIESEL, JP8, GASOLINE



STORAGE & DISTRIBUTION



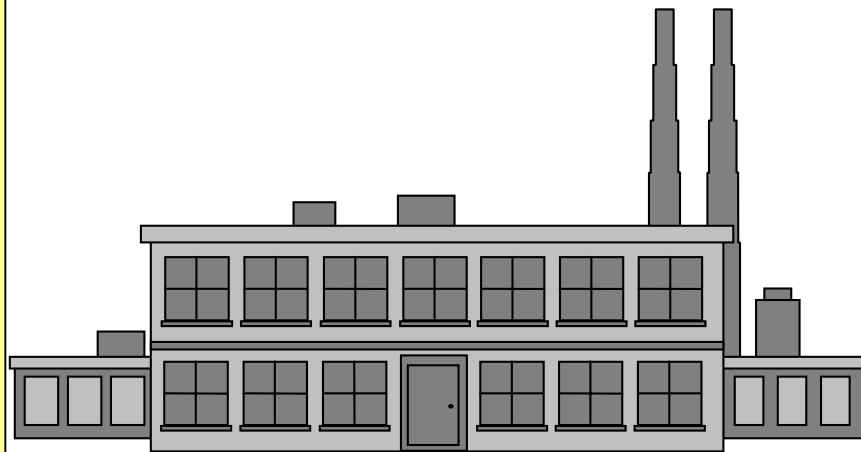
PRODUCTION
GASES

ARGON
OXYGEN
MAPP

PHYSICAL PLANT

Four
Manufacturing
Buildings

1.3 Million
Square Feet
Under Roof



BUILDINGS

Forty-Six
Support
Structures

350k+
Square Feet
Under Roof

BUILDING LOCATIONS

Engineering Building

Service Garage

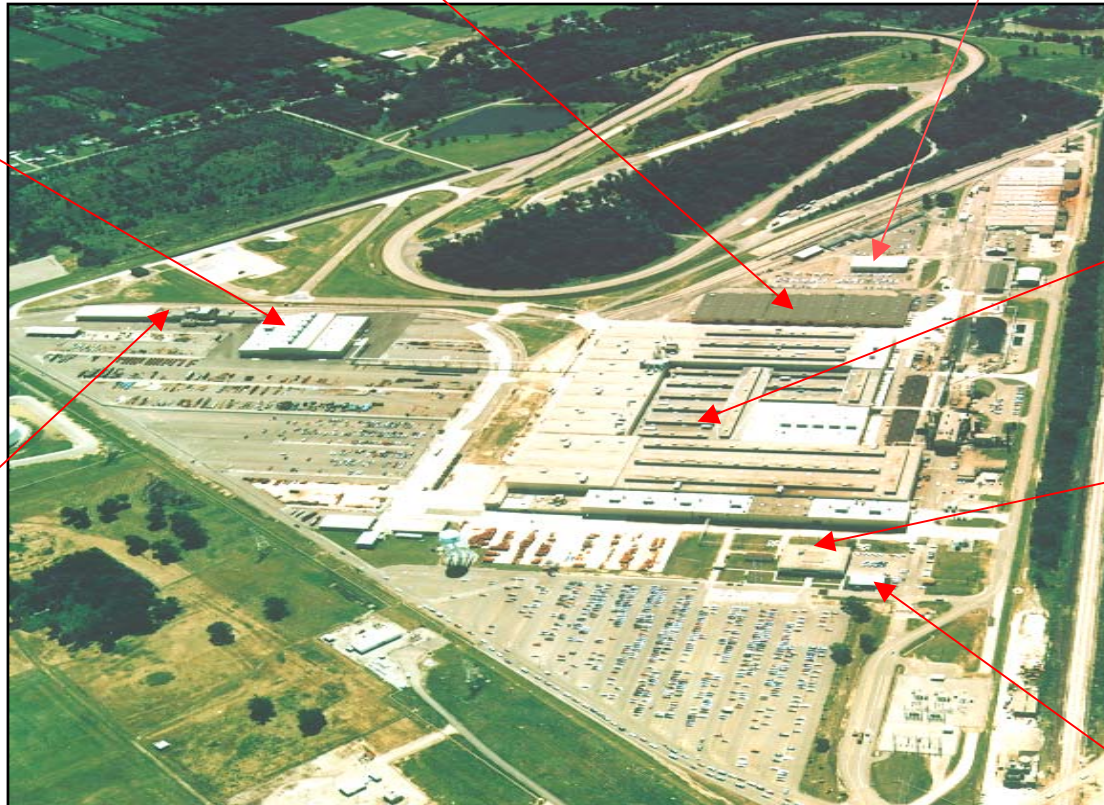
Test & Accept

Main Production

Paint/Prep

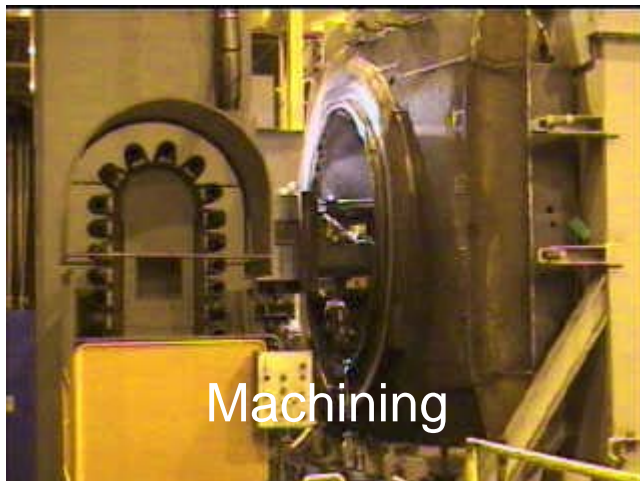
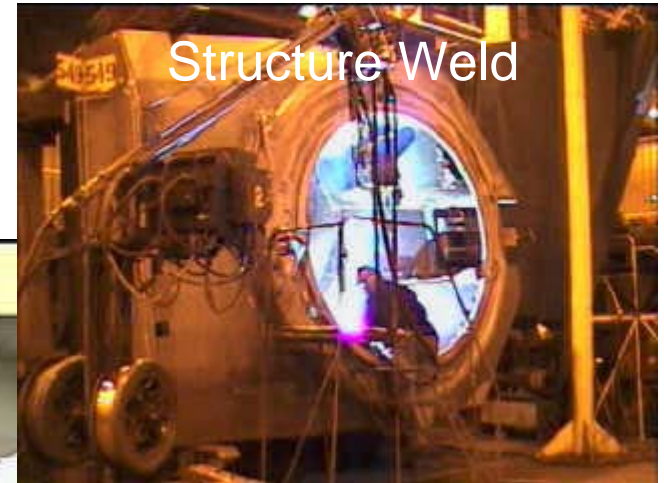
Administration

Abrams
Center





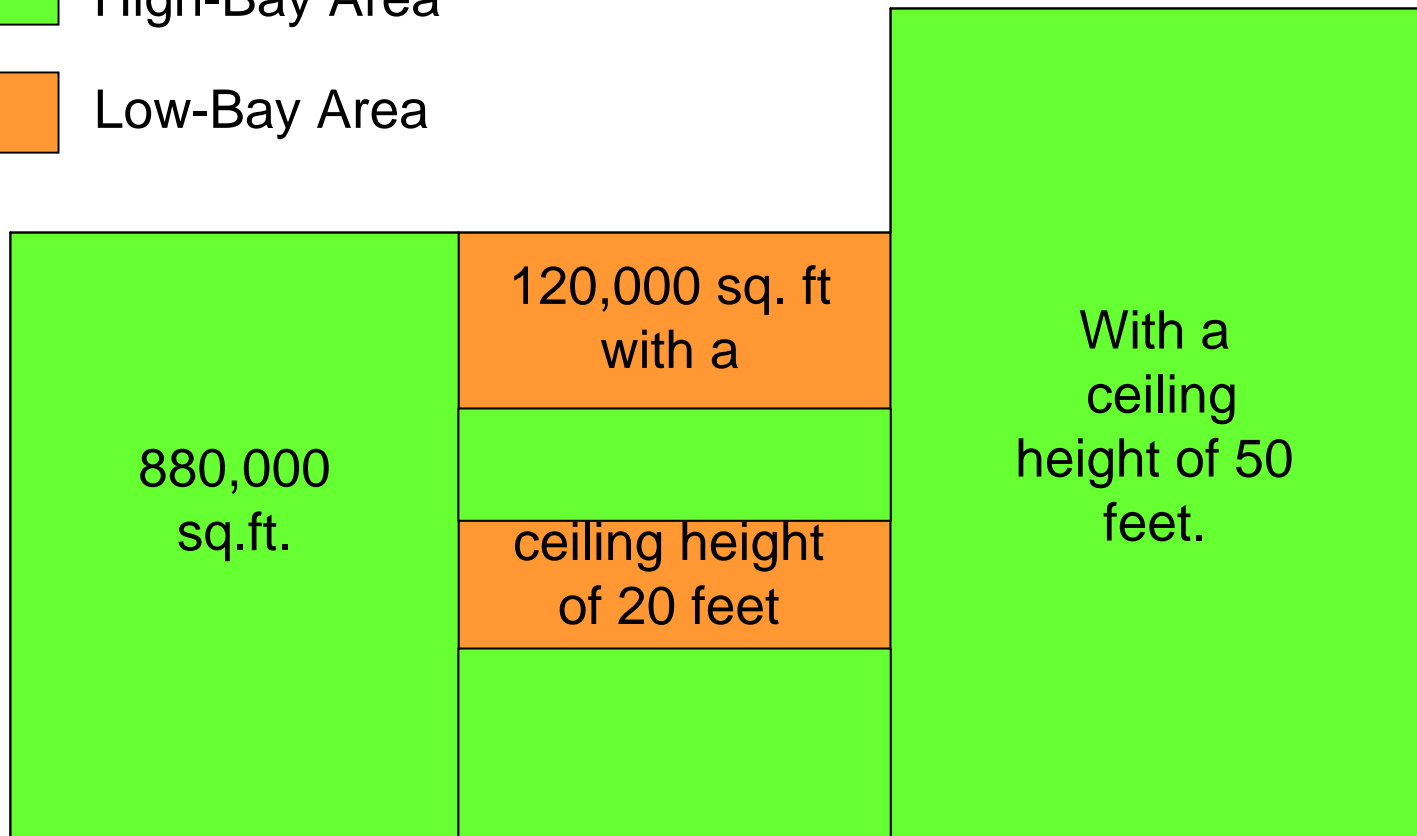


One Million Square Feet of Manufacturing Space



BUILDING 147 MAIN PRODUCTION

-  High-Bay Area
-  Low-Bay Area





**Multiple Overhead Cranes Located Within
The High-Bay Areas.
14 Cranes With A 40 Ton Lifting Capacity.
7 Cranes With A 25 Ton Lifting Capacity.**

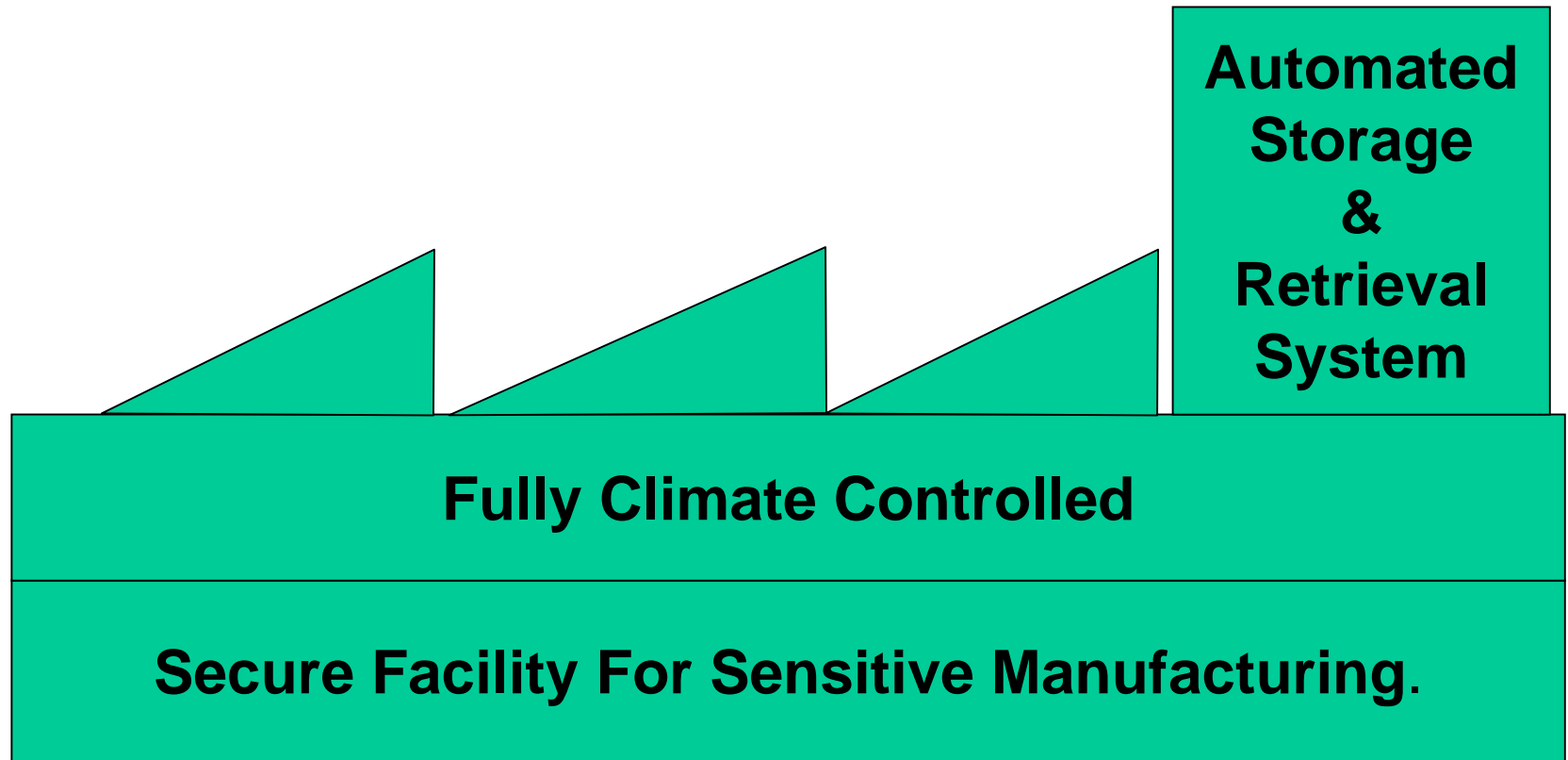
CRANE OVERHEAD

**Low-Bay Areas Are Supported By Multiple
5 Ton and 1 Ton Cranes**

**CRANE
OVERHEAD**

A black silhouette of a large industrial building with a complex roofline featuring several peaks and a prominent tall section on the right side.

150,000 sq. ft of Manufacturing Space with Flexible Manufacturing Capabilities For The Fabrication of Multiple Products.



BUILDING 266 TEST & ACCEPTANCE





36
Vehicle
Stalls



Multiple
Overhead
Cranes
with
40 Ton
Maximum
Lifting
Capacity



Two
70 Ton
In-Floor
Hydraulic
Lifts

BUILDING 281 FINAL PAINT LINE



BUILDING 281 FINAL PAINT LINE





Dragline-operated
Final Prep & Ship line.

Multiple Gantry Cranes



With 70 Ton Capacity



Drive-on/Drive-off
Flat Car Capability